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[Philip A. Bernstein](#)  
February 1996

**Communications of the ACM**, Volume 39 Issue 2

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### 2 [The amateur creator](#)

[Stephen Boyd Davis](#), [Magnus Moar](#)

 April 2005 **C&C '05: Proceedings of the 5th conference on Creativity & cognition**
**Publisher:** ACM

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Important design problems are raised in developing software for amateur users, a group distinguished here from novices. The authors argue that these design problems can be approached by understanding how systems for amateurs are derived from those for ...

**Keywords:** amateur, automation, backgrounding, constraints, consumer, creative, foregrounding, integration, novice, product design

### 3 [Musicomputation: teaching computer science to teenage musicians](#)

[Adam L. Meyers](#), [Marilyn C. Cole](#), [Evan Korth](#), [Sam Pluta](#)

 October 2009 **C&C '09: Proceeding of the seventh ACM conference on Creativity and cognition**
**Publisher:** ACM

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While algorithms have existed in math, music and other fields for over one thousand years, the use of algorithms to solve problems has become easier than ever before due to the advent of the modern computer. This fact, in combination with advances in ...

**Keywords:** computer music, computer science education, processing

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#### 4 [E-library of medieval chant manuscript transcriptions](#)

 [Louis W. G. Barton, John A. Caldwell, Peter G. Jeavons](#)

June 2005 **JCDL '05: Proceedings of the 5th ACM/IEEE-CS joint conference on Digital libraries**

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In this paper we present our rationale and design principles for a *distributed e-library* of medieval chant manuscript transcriptions. We describe the great variety in *neumatic* notations, in order to motivate a standardised data representation ...

**Keywords:** XML, chant, comparison, data representation, digital libraries, medieval manuscripts, musical notation, search, transcription

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